

CLAIMS

1. Substance extraction device (5) for producing drinks, comprising a plurality of brewing chambers (7, 8), comprising an interface (6) which is used to connect to a hot water supply inlet and means of distributing said hot water between brewing chambers (7, 8) containing a substance that is to be infused,

Characterized in that,

The distribution means comprise for each brewing chamber (7, 8) means for detecting the presence of the substance to be infused and means for opening the hot water inlet into brewing chamber (7, 8) upon detection of the presence of the substance to be infused.

2. Device according to Claim 1,

Characterized in that,

It comprises, for each brewing chamber (7, 8), a mobile member (29a, 29b) between:

- a hot water inlet shutoff position in which one end of the mobile member (29a, 29b) is deployed inside brewing chamber (7, 8),
- a hot water inlet open position in which said end of mobile member (29a, 29b) is retracted from brewing chamber (7, 8) by bearing on the substance to be infused.

3. Device according to any one of Claims 1 to 2,

Characterized in that,

Brewing chambers (7, 8) are formed in part in a fixed component (9) and in part in a mobile component (10) between an open position and a closed position of brewing chambers (7, 8).

4. Device according to Claim 3,

Characterized in that,

- Fixed component (9) and mobile component (10) are connected by swivel pin (19),

- Mobile component (10) is actuated by a lever (18) mounted on the fixed component by pin (17a, 17b) and comprising at least one oblong hole (20a, 20b) cooperating with a guide finger (21a, 21b) on mobile component (10).

5           5.       Device according to Claim 4,  
              Characterized in that,

              Guide finger (21a, 21b) has a rectangular section and is mounted swiveling in relation to mobile component (10).

10       6.       Device according to any one of Claims 4 or 5,  
              Characterized in that,

              At least one portion of the wall of oblong hole (20a, 20b) comprises a slip coating (22a, 22b).

15       7.       Device according to any one of Claims 3 to 6,  
              Characterized in that,

              Mobile component (10) comprises, for each brewing chamber (7, 8) a filtering cup (12a, 12b) supported by a holder (11a, 11b) adjustable in height inside a housing (23a, 23b) formed in mobile component (10).

20       8.       Device according to Claims 5 and 7 in combination,  
              Characterized in that,

              It comprises two brewing chambers (7, 8) each with a holder (11a, 11b) mounted adjustable in height inside its housing (23a, 23b) by a pressure screw (15a, 15b) serving also to mount a guide  
25       finger (21a, 21b).

9.       Machine for producing drinks from a substance to be infused comprising a hot water supply source,

              Characterized in that,

              It comprises at least one device according to any one of  
30       Claims 1 to 8.